



CONTACT

Market information
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Controlcables with twisted pairs for data and signal transmission. For extremely dynamic and drag-chain application , shielded, TPU-jacket, oil resistant, flame retardant, halogen free, UL and CSA approved

STANDARDS

Product UL and CSA approval

Cables designed for continuous moving application, high flexible, oil resistance, halogen free

Applications:

- Tracksystems for tool machines
- Wood machines
- Automatic lines for assembly
- Handling
- Packaging
- Other applications with moderate stresses

CHARACTERISTICS

Construction characteristics

| | |
|--------------------|-----------------------------------|
| Conductor material | Bare copper |
| Insulation | Polyolefin |
| Insulation colour | DIN 47100 |
| Taping | Non woven tape |
| Shielding | ≥85% tinned copper braid coverage |
| Outer sheath | PUR |
| Sheath colour | Grey RAL 7001 |
| Halogen free | Yes |

Electrical characteristics

| | |
|---------------------------------|--------|
| Rated Voltage U ₀ /U | 300 V |
| Test voltage | 1500 V |

Mechanical characteristics

| | |
|----------------------|---------------------|
| Bending cycles | 10 Mio. |
| Speed | 600 m/min |
| Maximum acceleration | 60 m/s ² |



Halogen free
Yes



Operating temp.
-30 ... 80 °C



Storage temperature, range
-40 ... 80 °C



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1



Oil resistance
EN 50363-10-2

Usage characteristics

| | |
|--|------------------------------------|
| Field of application | Dynamic |
| Operating temperature, range | -30 ... 80 °C |
| Storage temperature, range | -40 ... 80 °C |
| Minimum dynamic operating bending radius | 6.5 (xD) |
| Flame retardant | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |
| Oil resistance | EN 50363-10-2 |

PRODUCTLIST

| Reference | Name | Cross section [mm ²] | Nb. of cores | Construction type | Outer Diameter [mm] | Approx. weight [kg/km] |
|-----------|---|----------------------------------|--------------|-------------------|---------------------|------------------------|
| 10555869 | MOVETRONIC TP C PUR 2 x 2 x 0.25 mm ² | 0.25 | 4 | (2x2x0,25)C | 5.8 | 43 |
| 10557126 | MOVETRONIC TP C PUR 3 X 2 X 0.25 mm ² | 0.25 | 6 | (3x2x0,25)C | 6.1 | 46 |
| 10554904 | MOVETRONIC TP C PUR 4 X 2 X 0.25 mm ² | 0.25 | 8 | (4x2x0,25)C | 6.9 | 58 |
| 10554906 | MOVETRONIC TP C PUR 5 X 2 X 0.25 mm ² | 0.25 | 10 | (5x2x0,25)C | 7.1 | 69 |
| | MOVETRONIC TP C PUR 5 X 2 X 0.25 mm ² | 0.25 | 10 | (5x2x0,25)C | 7.3 | 69 |
| 10555817 | MOVETRONIC TP C PUR 6 X 2 X 0.25 mm ² | 0.25 | 12 | (6x2x0,25)C | 7.8 | 79 |
| 10554910 | MOVETRONIC TP C PUR 8 X 2 X 0.25 mm ² | 0.25 | 16 | (8x2x0,25)C | 9.3 | 122 |
| | MOVETRONIC TP C PUR 10 X 2 X 0.25 mm ² | 0.25 | 20 | (10x2x0,25)C | 9.9 | 129 |
| 10554914 | MOVETRONIC TP C PUR 2 x 2 x 0.34 mm ² | 0.34 | 4 | (2x2x0,34)C | 6.1 | 50 |
| 10573509 | MOVETRONIC TP C PUR 3 X 2 X 0.34 mm ² | 0.34 | 6 | (3x2x0,34)C | 6.4 | 54 |
| 10563003 | MOVETRONIC TP C PUR 4 X 2 X 0.34 mm ² | 0.34 | 8 | (4x2x0,34)C | 7.3 | 70 |
| 10573530 | MOVETRONIC TP C PUR 5 X 2 X 0.34 mm ² | 0.34 | 10 | (5x2x0,34)C | 7.5 | 77 |
| | MOVETRONIC TP C PUR 6 X 2 X 0.34 mm ² | 0.34 | 12 | (6x2x0,34)C | 8.2 | 96 |
| 10573531 | MOVETRONIC TP C PUR 8 X 2 X 0.34 mm ² | 0.34 | 16 | (8x2x0,34)C | 9.9 | 142 |
| 10573532 | MOVETRONIC TP C PUR 10 X 2 X 0.34 mm ² | 0.34 | 20 | (10x2x0,34)C | 10.5 | 146 |



Halogen free
Yes



Operating temp.
-30 ... 80 °C



Storage temperature, range
-40 ... 80 °C



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